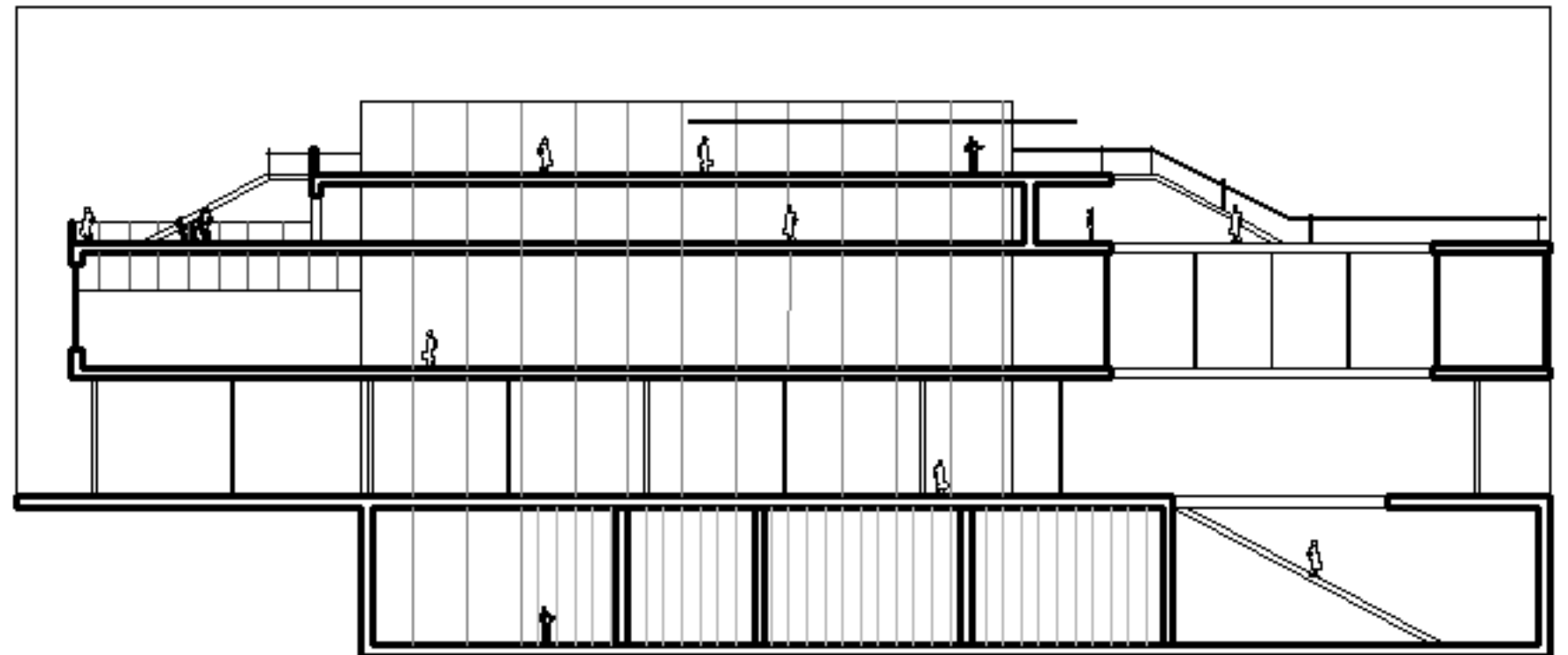
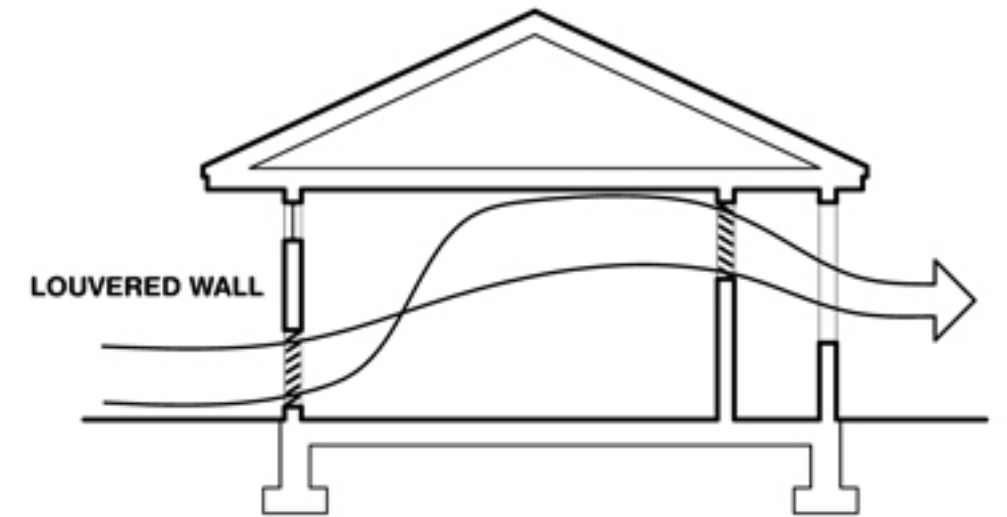
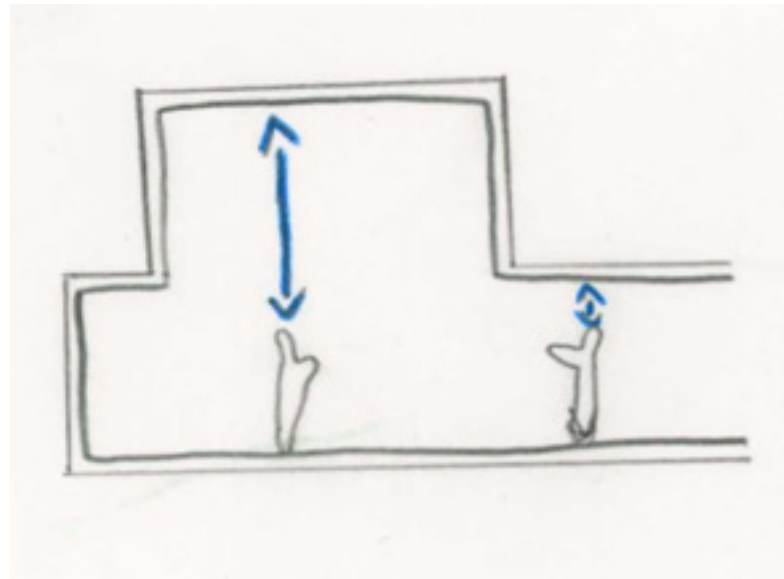


An image taken from a Houston Psychrometric chart looking at (1) the comfort levels of Houston, (2) the sun shading of windows, and (7) natural ventilation cooling. The comfort zone in Houston is anywhere between 70-75 degrees F of sensible heat (dry bulb) and between .004-.012 humidity (latent heat).



North East Section

Looking at the building in Section, a goal of the design is to increase the buildings comfort level by using the passive strategies of high ceilings and overhangs. Double height ceilings increase the comfort level and decrease the cost of fan or air conditioned forced ventilation. The first floor is open plan and 20ft high space that allows for passive wind to flow through.

Comfort Levels

ARCH 3427 FALL
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